



```
FFFFFFFFF      IIIII      LL      000000      UU      UU      TTTTTTTTTT      P P P P P P P P      UU      UU      TTTTTTTTTT
FFFFFFFFF      IIIII      LL      000000      UU      UU      TTTTTTTTTT      P P P P P P P P      UU      UU      TTTTTTTTTT
FF          II      LL      00      00      UU      UU      TT      PP      PP      UU      UU      TT
FF          II      LL      00      00      UU      UU      TT      PP      PP      UU      UU      TT
FF          II      LL      00      00      UU      UU      TT      PP      PP      UU      UU      TT
FF          II      LL      00      00      UU      UU      TT      PP      PP      UU      UU      TT
FFFFFFFF      II      LL      00      00      UU      UU      TT      P P P P P P P P      UU      UU      TT
FFFFFFFF      II      LL      00      00      UU      UU      TT      P P P P P P P P      UU      UU      TT
FF          II      LL      00      00      UU      UU      TT      PP      PP      UU      UU      TT
FF          II      LL      00      00      UU      UU      TT      PP      PP      UU      UU      TT
FF          II      LL      00      00      UU      UU      TT      PP      PP      UU      UU      TT
FF          II      LL      00      00      UU      UU      TT      PP      PP      UU      UU      TT
FF          II      LL      00      00      UU      UU      TT      PP      PP      UU      UU      TT
FF          IIIII      LLLLLLLLLL      000000      UUUUUUUUUU      TT      PP      PP      UUUUUUUUUU      TT      TT
FF          IIIII      LLLLLLLLLL      000000      UUUUUUUUUU      TT      PP      PP      UUUUUUUUUU      TT      TT
                                     ....
                                     ....
                                     ....
                                     ....

LL          IIIII      SSSSSSSS
LL          IIIII      SSSSSSSS
LL          II      SS
LL          II      SS
LL          II      SS
LL          II      SS
LL          II      SSSSSS
LL          II      SSSSSS
LL          II      SS
LL          II      SS
LL          II      SS
LL          IIIII      SSSSSSSS
LLLLLLLLLL      IIIII      SSSSSSSS
LLLLLLLLLL      IIIII      SSSSSSSS
```

```
0001 0 MODULE filoutput ( ! Declarations of output file RMS blocks for file handling utilities
0002 0
0003 0 LANGUAGE (BLISS32),
0004 0 IDENT = 'V04-000'
0005 1 BEGIN
0006 1
0007 1
0008 1 *****
0009 1 *
0010 1 * COPYRIGHT (c) 1978, 1980, 1982, 1984 BY
0011 1 * DIGITAL EQUIPMENT CORPORATION, MAYNARD, MASSACHUSETTS.
0012 1 * ALL RIGHTS RESERVED.
0013 1 *
0014 1 * THIS SOFTWARE IS FURNISHED UNDER A LICENSE AND MAY BE USED AND COPIED
0015 1 * ONLY IN ACCORDANCE WITH THE TERMS OF SUCH LICENSE AND WITH THE
0016 1 * INCLUSION OF THE ABOVE COPYRIGHT NOTICE. THIS SOFTWARE OR ANY OTHER
0017 1 * COPIES THEREOF MAY NOT BE PROVIDED OR OTHERWISE MADE AVAILABLE TO ANY
0018 1 * OTHER PERSON. NO TITLE TO AND OWNERSHIP OF THE SOFTWARE IS HEREBY
0019 1 * TRANSFERRED.
0020 1 *
0021 1 * THE INFORMATION IN THIS SOFTWARE IS SUBJECT TO CHANGE WITHOUT NOTICE
0022 1 * AND SHOULD NOT BE CONSTRUED AS A COMMITMENT BY DIGITAL EQUIPMENT
0023 1 * CORPORATION.
0024 1 *
0025 1 * DIGITAL ASSUMES NO RESPONSIBILITY FOR THE USE OR RELIABILITY OF ITS
0026 1 * SOFTWARE ON EQUIPMENT WHICH IS NOT SUPPLIED BY DIGITAL.
0027 1 *
0028 1 *****
0029 1
0030 1
0031 1 ++
0032 1 FACILITY:      File Handling Utilities
0033 1
0034 1 ABSTRACT:
0035 1
0036 1      This module contains declarations of the RMS data storage areas needed
0037 1      for handling output file specifications.
0038 1
0039 1 ENVIRONMENT:
0040 1
0041 1      VAX/VMS operating system, unprivileged user mode utility,
0042 1      operates at non-AST level.
0043 1
0044 1 --
0045 1 ++
0046 1
0047 1 AUTHOR:      Carol Peters,      CREATION DATE:  25 April 1978 09:23
0048 1
0049 1 REVISION HISTORY:
0050 1
0051 1      V03-002 TSK0002      Tamar Krichevsky      1-Sep-1983
0052 1      Fix ACCVIO during append operations.  The order of the XABs
0053 1      was wrong in V03-001.
0054 1
0055 1      V03-001 TSK0001      Tamar Krichevsky      8-Aug-1983
0056 1      Reorder output file's XABs to simplify the changes needed
0057 1      to prevent the revision dates and protection from being
```

FILEOUTPUT  
V04-000

N 2  
15-Sep-1984 23:45:33  
14-Sep-1984 12:14:21

VAX-11 Bliss-32 V4.0-742  
[COPY.SRC]FILEOUTPUT.B32;1

Page 2  
(1)

: 58  
: 59

0058 1 !  
0059 1 !--

propogated to the output file.

```

61      0060 1  Include files
62      0061 1
63      0062 1
64      0063 1
65      0064 1  LIBRARY 'SYSSLIBRARY:STARLET.L32';           ! System definitions
66      0065 1
67      0066 1
68      0067 1  External declarations
69      0068 1
70      0069 1
71      0070 1  EXTERNAL
72      0071 1      infile_nam_blk      : BLOCK [, BYTE];           ! Related input file NAM block
73      0072 1
74      0073 1
75      0074 1  Global variables
76      0075 1
77      0076 1
78      0077 1  GLOBAL
79      0078 1      outfile_fab          : $FAB_DECL,               ! Space for the output file FAB, which
80      0079 1                                     ! is filled in at execution time
81      0080 1
82      0081 1      outfile_rab          : $RAB_DECL,               ! Space for the output file RAB, which
83      0082 1                                     ! is filled in at execution time
84      0083 1
85      0084 1      outfile_name         : VECTOR [nam$c_maxrss, BYTE], ! output file name after open
86      0085 1
87      0086 1      outfile_xname        : VECTOR [nam$c_maxrss, BYTE], ! output file name before open
88      0087 1
89      P 0088 1      outfile_nam_blk     : $NAM (                   ! output file name block:
90      P 0089 1                                     ! Address and length of the output
91      P 0090 1                                     ! file name after open
92      P 0091 1                                     ! Address and length of the output
93      P 0092 1                                     ! file name before open
94      0093 1                                     ! Related input file
95      0094 1      RLF = infile_nam_blk),
96      0095 1
97      0096 1      outfile_xabpro        : $XABPRO (),              ! output file XAB chain:
98      0097 1                                     ! Protection XAB
99      P 0098 1      outfile_xabrdt      : $XABRDT (                ! Revision date and time XAB
100     0099 1          NXT = outfile_xabpro),
101     0100 1
102     P 0101 1      outfile_xabdat       : $XABDAT (                ! Date/time XAB
103     0102 1          NXT = outfile_xabrdt),
104     0103 1
105     P 0104 1      outfile_xaball       : $XABALL (                ! Allocation XAB
106     0105 1          NXT = outfile_xabdat),
107     0106 1
108     P 0107 1      outfile_xabfhc       : $XABFHC (                ! File header characteristics XAB
109     0108 1          NXT = outfile_xaball),
110     0109 1
111     0110 1      out_name_desc          : VECTOR [2]              ! output file name descriptor
112     0111 1          INITIAL (0, outfile_name);

```

: 114  
: 115  
0112 1 END  
0113 0 ELUDOM

```

.TITLE FILEOUTPUT
.IDENT \V04-000\

.PSECT $GLOBAL$,NOEXE,2

00000 OUTFILE_FAB::
      .BLKB 80
00050 OUTFILE_RAB::
      .BLKB 68
00094 OUTFILE_NAME::
      .BLKB 255
00193 .BLKB 1
00194 OUTFILE_XNAME::
      .BLKB 255
      .BLKB 1
02 00294 OUTFILE_NAM_BLK::
      .BYTE 2
      60 00295 .BYTE 96
      FF 00296 .BYTE -1
      00 00297 .BYTE 0
00000000* 00298 .ADDRESS OUTFILE_NAME
      00 0029C .BYTE 0
      00 0029D .BYTE 0
      FF 0029E .BYTE -1
      00 0029F .BYTE 0
00000000* 002A0 .ADDRESS OUTFILE_XNAME
00000000G 002A4 .ADDRESS INFILE_NAM_BLK
      0000# 002A8 .WORD 0[8]
      0000# 002B8 .WORD 0[3]
      0000# 002BE .WORD 0[3]
00000000 002C4 .LONG 0
00000000 002C8 .LONG 0
      00 002CC .BYTE 0
      00 002CD .BYTE 0
      00 002CE .BYTE 0
      00 002CF .BYTE 0
      00 002D0 .BYTE 0
      00 002D1 .BYTE 0
      00# 002D2 .BYTE 0[2]
00000000 002D4 .LONG 0
00000000 002D8 .LONG 0
00000000 002DC .LONG 0
00000000 002E0 .LONG 0
00000000 002E4 .LONG 0
00000000 002E8 .LONG 0
00000000# 002EC .LONG 0[2]
      13 002F4 OUTFILE_XABPRO::
      .BYTE 19
      58 002F5 .BYTE 88
      0000 002F6 .WORD 0
00000000 002F8 .LONG 0
      FFFF 002FC .WORD -1
      00 002FE .BYTE 0

```

```

0000 00 002FF .BYTE 0
0000 0000 00300 .WORD 0, 0
0000 00 00304 .BYTE 0
0000 00 00305 .BYTE 0
0000 0000 00306 .WORD 0
00000000 00308 .LONG 0
00000000 0030C .LONG 0
0000 0000 00310 .WORD 0
0000 0000 00312 .WORD 0
00000000 00314 .LONG 0
00000000 00318 .LONG 0
00000000 0031C .BLKB 48
1E 0034C OUTFILE_XABRDT::
0000 0034D .BYTE 30
0000 0034E .WORD 20
00000000 00350 .ADDRESS OUTFILE_XABPRO
0000 00354 .WORD 0
0000 00356 .WORD 0
00000000# 00358 .LONG 0[2]
12 00360 OUTFILE_XABDAT::
0000 00361 .BYTE 18
0000 00362 .WORD 44
00000000 00364 .ADDRESS OUTFILE_XABRDT
0000 00368 .WORD 0
0000 0036A .WORD 0
00000000# 0036C .LONG 0[2]
00000000# 00374 .LONG 0[2]
00000000 0037C .LONG 0
00000000 00380 .LONG 0
00000000# 00384 .LONG 0[2]
14 0038C OUTFILE_XABALL::
0000 0038D .BYTE 20
0000 0038E .WORD 32
00000000 00390 .ADDRESS OUTFILE_XABDAT
00 00394 .BYTE 0
00 00395 .BYTE 0
0000 00396 .WORD 0
00000000 00398 .LONG 0
00000000 0039C .LONG 0
0000 003A0 .WORD 0
00 003A2 .BYTE 0
00 003A3 .BYTE 0
0000 0000 003A4 .WORD 0, 0, 0
0000 003AA .WORD 0
1D 003AC OUTFILE_XABFHC::
0000 003AD .BYTE 29
0000 003AE .WORD 44
00000000 003B0 .ADDRESS OUTFILE_XABALL
00000000# 003B4 .LONG 0[9]
00000000 003B8 OUT_NAME_DESC::
00000000 003DC .LONG 0
00000000 003DC .ADDRESS OUTFILE_NAME

```

.EXTRN INFILE\_NAM\_BLK

PSECT SUMMARY

Name	Bytes	Attributes
\$GLOBALS	992	NOVEC, WRT, RD ,NOEXE,NOSHR, LCL, REL, CON,NOPIC,ALIGN(2)

Library Statistics

File	Symbols		Percent	Pages Mapped	Processing Time
	Total	Loaded			
_\$255\$DUA28:[SYSLIB]STARLET.L32;1	9776	38	0	581	00:01.1

COMMAND QUALIFIERS

BLISS/CHECK=(FIELD,INITIAL,OPTIMIZE)/LIS=LISS:FILOUTPUT/OBJ=OBS:FILOUTPUT MSRC\$:FILOUTPUT/UPDATE=(ENHS:FILOUTPUT)

: Size: 0 code + 992 data bytes  
: Run Time: 00:04.5  
: Elapsed Time: 00:17.8  
: Lines/CPU Min: 1503  
: Lexemes/CPU-Min: 31064  
: Memory Used: 50 pages  
: Compilation Complete

0068 AH-BT13A-SE  
VAX/VMS V4.0

DIGITAL EQUIPMENT CORPORATION  
CONFIDENTIAL AND PROPRIETARY

